

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO ALLENDALE QUARRY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the


Proposed mining operation(s) will be on 32 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Amendment

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Worth	17	65N	30W	0	32	60	Site #1	0655

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 6th day of May 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0697 A-1
Effective Date 05/06/2004
Expiration Date 09/15/2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

RECEIVED

FEB 11 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <i>Allendale Quarry</i>		MISSOURI LAND RECLAMATION COMMISSION <i>2/11/04</i>	
ADDRESS <i>Box 20,</i>	CITY <i>Allendale</i>	STATE <i>MO</i>	ZIP CODE <i>64420</i>
CONTACT PERSON <i>Jud Summers</i>		TELEPHONE NUMBER <i>660-786-2233</i>	
Check any that apply: <input type="checkbox"/> New Permit <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Permit Revision <input type="checkbox"/> Permit Expansion			
SITE NAME OR NUMBER	ACREAGE	LOCATION: COUNTY, SECTION, TOWNSHIP, RANGE (East or West)	
1. <i>Site #1</i>	<i>32 acres</i>	<i>Worth Co. section 17 & 18 T-65-N</i>	
2.		<i>Range 31-W.</i>	
3.			
4.			
5.			
6.			
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10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
ATTACH ADDITIONAL SHEETS IF NECESSARY			
SIGNATURE OF APPLICANT <i>Judson Summers</i>		TITLE <i>Pres.</i>	DATE <i>2/11/04</i>
Appeared before me this <i>11th</i> day of <i>February</i> 20 <i>04</i> <i>Judson Summers</i> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>11th</i> DAY OF <i>February</i> 20 <i>04</i>	USE RUBBER STAMP IN CLEAR AREA BELOW	
	NOTARY PUBLIC SIGNATURE <i>Shirley L. Grantham</i>	MY COMMISSION EXPIRES <i>2/2/2007</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Shirley L. Grantham</i>	NOTARY PUBLIC STATE OF MISSOURI SHIRLEY L. GRANTHAM COUNTY OF COLE MY COMMISSION EXPIRES: FEBRUARY 2, 2007	
FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <i>5-5-04</i>	PERMIT NUMBER <i>0697</i>	EXPIRATION DATE <i>9-15-04</i>

ATTACH FEES AND BONDING WORKSHEET.

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES FEES AND BONDING WORKSHEET

RECEIVED

FEB 11 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		MISSOURI LAND RECLAMATION COMMISSION	DATE
<i>Allendale Quarry</i>		<i>2-11-04</i>	
FEEES: COMPLETE SECTION I OR SECTION II			
SECTION I. FEEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:			
1. To compute the site fee complete the columns and lines below:			
List SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six (6) months per permit year pay \$150.00 For sites operated six (6) months or more per permit year pay \$300.00	
<i>Site #1</i>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$	
TOTAL SITE FEE		→ \$	
2. Acreage fee: \$5 X <u> <i>52</i> </u> number of acres bonded ----- \$ <u> <i>160</i> </u>			
3. Annual permit fee: ----- \$ <u> 500.00 </u>			
4. Total Fee: Add Totals from 1, 2, and 3 ----- \$ _____			
NOTE: If Total Fee exceeds \$2,500.00 then pay only-----\$<u>2,500.00</u>			
SECTION II. FEEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:			
1. Annual permit fee: ----- \$ <u> 300.00 </u>			
III. BONDING – for all EXCEPT In-Stream mine sites:			
A. For sand and gravel operators mining less than five thousand (5,000) tons/year:			
		Number of new acres _____ X \$500/acre ----- \$ _____	
B. For ALL other open pit operations:			
		Minimum per permit ----- \$ <u> 8,000.00 </u>	
		Acreage over 8 acres <u> <i>52</i> </u> X \$500/acre ----- \$ <u> <i>26,000</i> </u>	
TOTAL BONDING REQUIRED----- \$		<u> <i>34,000</i> </u>	
<input type="checkbox"/> Check here if adequate bonding is already posted.			

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

ALLENDALE QUARRY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 28 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Worth	17	65N	30W	28	0	28	Site #1	0655

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.


IN WITNESS WHEREOF I have hereunto set my hand this 5th day of February 2004

Permit No. 0697

Effective Date 02/05/2004

Expiration Date 09/15/2004

MO 796-1122 (6-95)


DIRECTOR OF STAFF
Land Reclamation Commission



RECEIVED

JAN 20 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL S + A Construction LTD		MISSOURI LAND RECLAMATION COMMISSION 11-28-03	
ADDRESS Box 20		CITY Allendale	STATE MO
CONTACT PERSON Judson Sumner		ZIP CODE 64420	
		TELEPHONE 660-756-2233	

FEES: COMPLETE SECTION I OR SECTION II

Section I. Fees: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six (6) months per permit year pay \$150.00
		For sites operated six (6) months or more per permit year pay \$300.00
1. Site #1	Jan, Feb, <u>Mar</u> , Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ 300.00

2. Acreage fee: \$5 X **28** number of acres bonded \$ **140.00**3. Annual permit fee: \$ **500.00**4. Total Fee: Add totals from 1, 2, and 3 \$ **940.00**

NOTE: If Total Fee exceeds \$2,500.00 then pay only -----\$2,500.00

SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:

1. Annual Permit Fee-----\$ **300.00**

SIGNATURE OF APPLICANT 	TITLE Owner/Pres	DATE 11-28-03
----------------------------	----------------------------	-------------------------

Appeared before me this 1 day of December, 2003. Judson Sumner to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS) <u>Worth</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS	
	DAY OF <u>December</u> 20 <u>03</u>	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES
NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>Vickie L. Miller</u>		RUBBER STAMP CLEAR AREA BELOW VICKIE L. MILLER Notary Public - Notary Seal STATE OF MISSOURI Worth County My Commission Expires June 28, 2005

FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED <u>2-3-04</u>	PERMIT NUMBER <u>697</u>	EXPIRATION DATE <u>9-15-04</u>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

SITE INFORMATION FORM

RECEIVED
FEB 25 1998
MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Site #1		PERMIT NUMBER 0697	
COMPANY NAME Allendale Quarry			
COUNTY Worth	1/4 SECTION NW 1/4 & SW 1/4		SECTION 17
TOWNSHIP 65N	RANGE 30W	ACRES 260	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Donald Hughes		
ADDRESS Rt 1 - Box 64		
CITY Denver	STATE MO	ZIP CODE 64441
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT DATE OF AGREEMENT 6-7-95

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) (same as above)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT DATE OF AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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FEB 25 1998

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: June 19, 2005

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This Long Term Mine Plan encompasses a 260-acre lease comprised of gently rolling hills of 8-10% grade. An approximate eight-acre area, located in the southwest corner of the property, was mined in the 1930s and abandoned. A sparse tree line, of unmarketable timber and scrub, trends west-southwest east-northeast through the middle of the lower 160 acres of the lease with a drainage ditch running just inside the tree line. Trees surround the outside perimeter of the northern lease boundary. The remaining unmined areas have a grassy/clover cover supported by a thin blanket of topsoil underlain by a poor-grade rocky subsoil.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

9 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

No clearing of timber will be necessary within the permit boundaries or Long Term Mine Plan. The landowner logged the area prior to leasing to S & A Construction, Ltd. The little remaining scrub will be removed, if needed, with bulldozers and topsoil will be removed carefully with a scraper. Because the topsoil is only 9 inches deep, an additional 3 inches of subsoil will be removed to obtain a total of 12 inches of soil for replacement.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers will deposit soil over graded spoil areas or in stockpiles within permit areas. Topsoil replaced on graded spoil will be graded and seeded. Stockpiles will be shaped and seeded with grass to protect from wind and water erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

Spoil stockpiles will be placed in a 0.70-acre permit area within an 8-acre pre-law mining area located in the southwest corner of the property lease. As excavation activity progresses, overburden and spoil will be used to backfill mined-out portions of the pit scheduled for reclamation as pasture.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See map.

The active pit is comprised of approximately 3.15 acres, trending east-northeast, west-southwest, within the 5.2-acre permit area marked on the Detail Map.

YES NO

- | | | |
|--------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND
RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

#1

Pasture

Spring (March 15 - May 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first Spring following topsoil replacement in the areas scheduled for pasture, the seed mix will be broadcast and harrowed. No trees or shrubs will be planted. Area intended for grazing.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
orchard grass sweet clover	28 lbs/acre 5 lbs/acre	N/A	N/A

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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FEB 25 1998

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

Mining will proceed east-northeast of the current pit, trending in the same direction as a drainage ditch in the southern one-third of the property. Mining will then proceed north until minerals are mined out. No mining activities or land disturbances are expected to occur south of the current permit areas or the drainage ditch. This creek will mark the approximate southern boundary of a planned 40-acre water impoundment. The eight-acre pre-law mining area in the southwest corner of the lease will remain as is, except for a 0.70-acre spoil area within it, which will be graded, topsoiled and seeded. The remaining area in the Long Term Mine Plan will be reclaimed as pasture, graded to slopes traversable by farm machinery and seeded with orchard grass and sweet clover.

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DEC 11 2003
MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

In areas scheduled for pasture, grading will be conducted as the pit advances and as spoil is placed in the mined-out portions. All final grading will be completed, as necessary, within one year of permit expiration.

REPLACEMENT OF TOPSOIL

In areas scheduled for pasture, topsoil will be replaced to a uniform depth of 12 inches, and disced to reduce compaction. Topsoil will be replaced, as necessary, within one year of permit expiration.

REVEGETATION

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

A Horizon (9 inches) + B Horizon (3 inches) = 12 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	12-12-23 ≈ 180 220 um
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	≈ 40

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED

DEC 11 2003

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT

TITLE

DATE

NOTARY PUBLIC EMBOSSEER SEAL

STATE

COUNTY (OR CITY OF ST. LOUIS)

SUBSCRIBED AND SWORN BEFORE ME, THIS

12

DAY OF

Dec

2003

USE RUBBER STAMP IN CLEAR AREA BELOW

NOTARY PUBLIC SIGNATURE

MY COMMISSION
EXPIRES

NOTARY PUBLIC NAME (TYPED OR PRINTED)

Vickie L Miller

VICKIE L. MILLER
Notary Public - Notary Seal
STATE OF MISSOURI
Worth County
My Commission Expires June 28, 2005

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

DATE APPROVED

PERMIT NUMBER

12-11-03



Allendale Quarry

Permit # 697

Detail Map

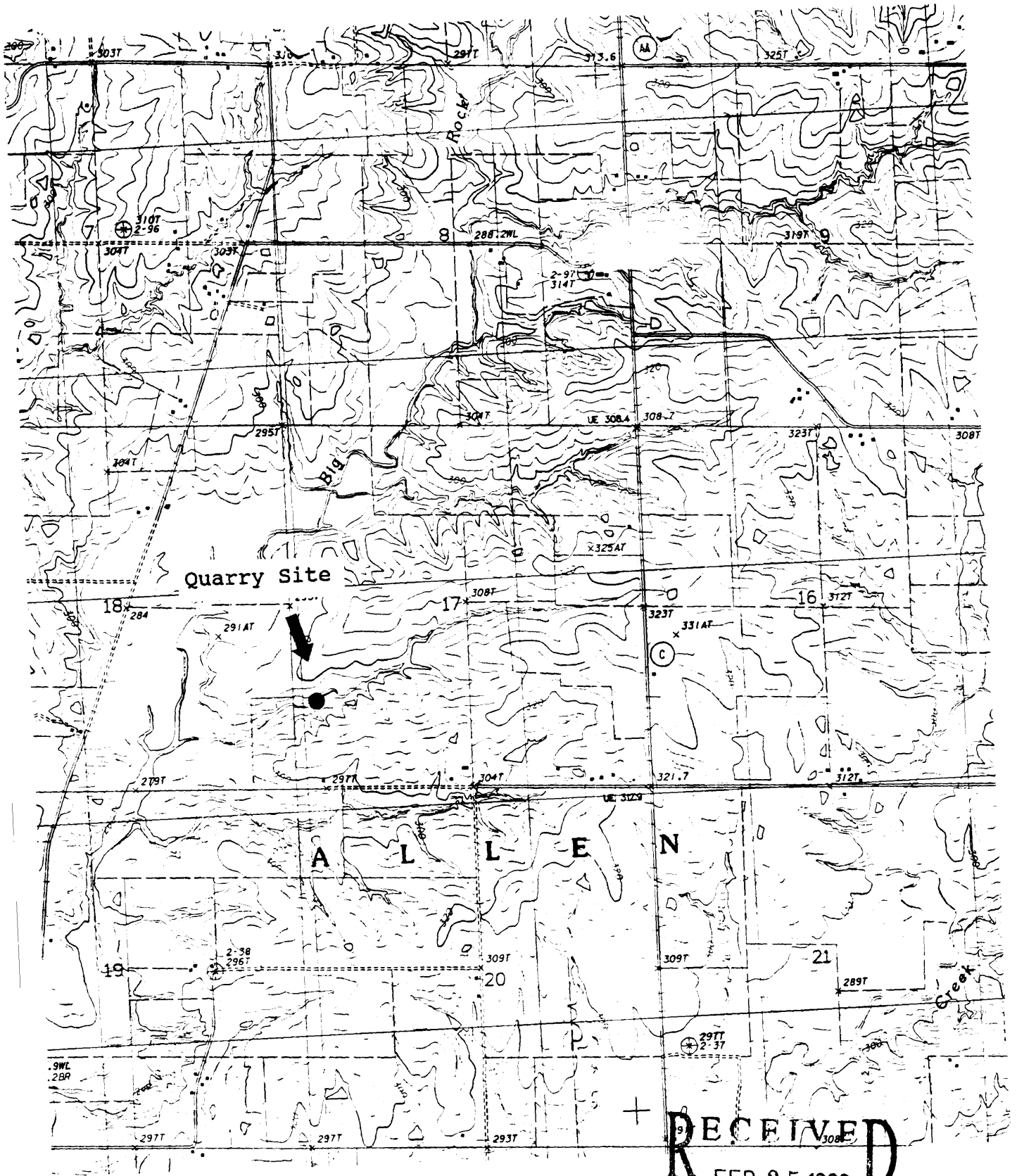
Prepared by: Judson Summers

Date Prepared: 2-11-04

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MISSOURI LAND
RECLAMATION COMMISSION



LOCATOR MAP

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4 Section 17, R30W

1 inch = 2000 feet

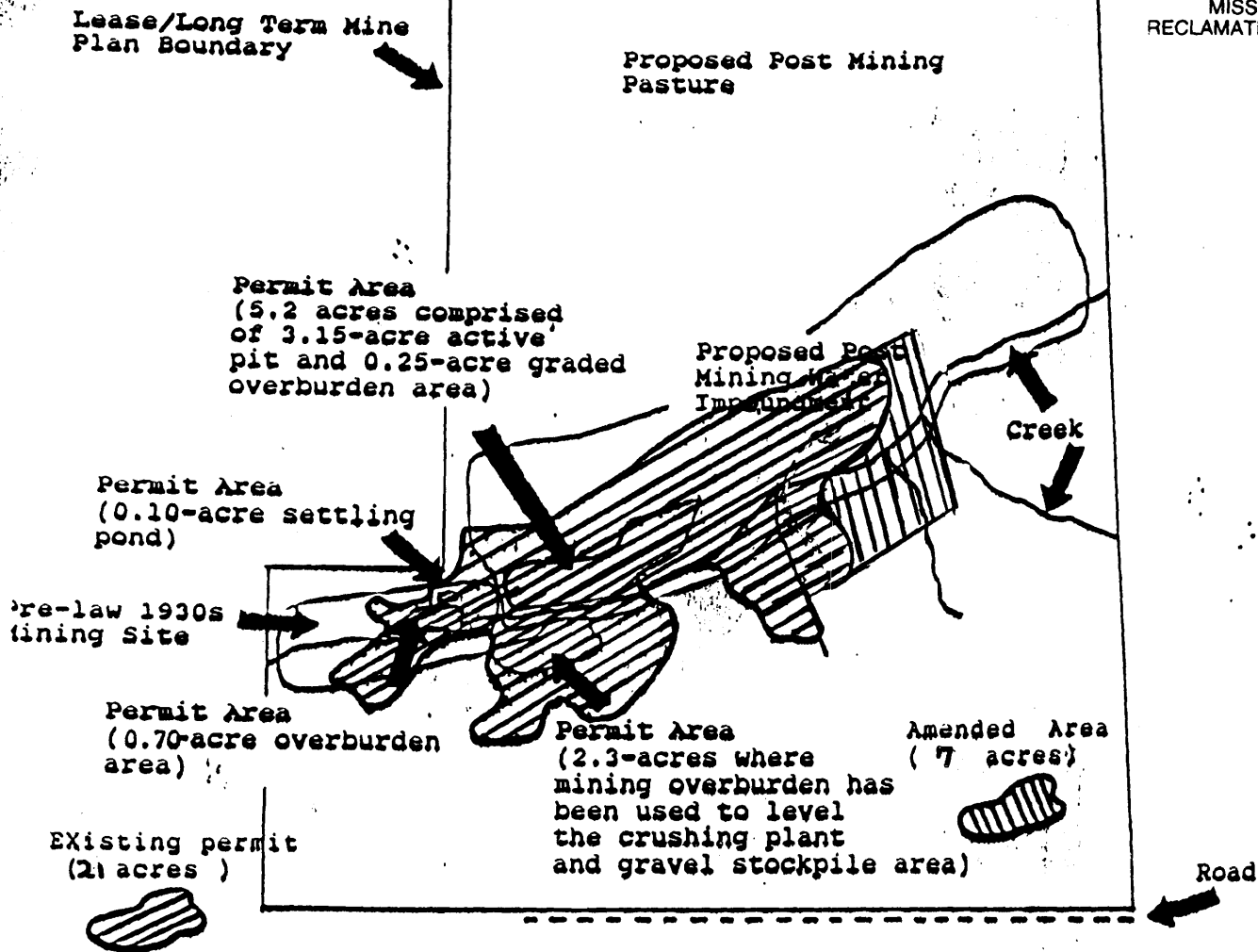


1 inch = 660 feet

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OCT 3 2002

MISSOURI LAND
RECLAMATION COMMISSION



Detail Map





S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4, Section 17, R30W

S & A Construction, Ltd. - Allendale Quarry Worth County

Quarry Location
T65N, NW1/4, SW1/4 Section 17, R30W

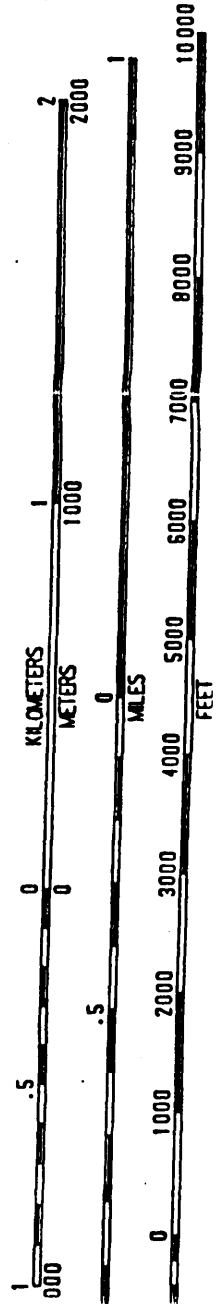
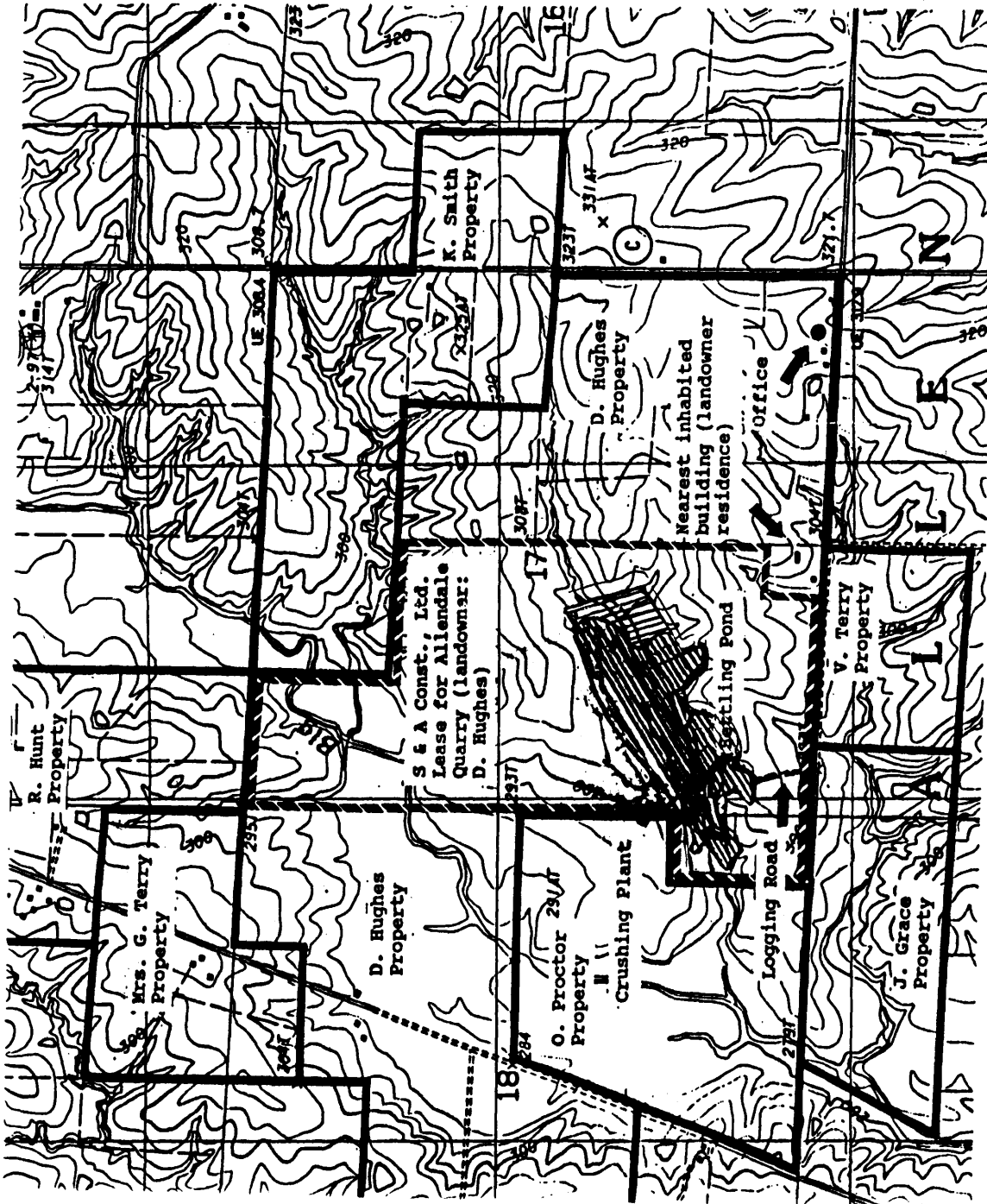
LEGEND

-  Lease Boundary
-  Property Line
-  Excavation Pit (8-acre mine plan area; to be reclaimed as pasture)
-  1930's Mine Site (grandfathered under Land Reclamation Program; voluntary reclamation in progress with clearing, filling, grading, & replacement of topsoil complete)

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OCT 3 2002

MISSOURI LAND
RECLAMATION COMMISSION



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MAR 31 2000
MISSOURI LAND
RECLAMATION COMMISSION



1 inch = 660 feet

Lease/Long Term Mine
Plan Boundary

Proposed Post Mining
Pasture

Permit Area
(5.2 acres comprised
of 3.15-acre active
pit and 0.25-acre graded
overburden area)

Proposed Post
Mining Water
Impoundment

Creek

Permit Area
(0.10-acre settling
pond)

Pre-law 1930s
Mining Site

Permit Area
(0.70-acre overburden
area)

Permit Area
(2.3-acres where
mining overburden has
been used to level
the crushing plant
and gravel stockpile area)

Amended Area
(12 acres)

Existing permit
(9 acres)

Road

Detail Map

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4, Section 17, R30W

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MAR 31 2000
MISSOURI LAND
RECLAMATION COMMISSION



1 inch = 660 feet

Lease/Long Term Mine
Plan Boundary

Proposed Post Mining
Pasture

Permit Area
(5.2 acres comprised
of 3.15-acre active
pit and 0.25-acre graded
overburden area)

Proposed Post
Mining Water
Impoundment

Creek

Permit Area
(0.10-acre settling
pond)

Pre-law 1930s
Mining Site

Permit Area
(0.70-acre overburden
area)

Permit Area
(2.3-acres where
mining overburden has
been used to level
the crushing plant
and gravel stockpile area)

Amended Area
(12 acres)

Existing permit
(9 acres)

Road

Detail Map

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4, Section 17, R30W



1 inch = 660 feet

Lease/Long Term Mine
Plan Boundary

Proposed Post Mining
Pasture

Permit Area
(5.2 acres comprised
of 3.15-acre active
pit and 0.25-acre graded
overburden area)

Proposed Post
Mining Water
Impoundment

Creek

Permit Area
(0.10-acre settling
pond)

Pre-law 1930s
Mining Site

Permit Area
(0.70-acre overburden
area)

Permit Area
(2.3-acres where
mining overburden has
been used to level
the crushing plant
and gravel stockpile area)

RECEIVED
FEB 25 1988
MISSOURI LAND
RECLAMATION COMMISSION

Road

Detail Map

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4, Section 17, R30W

DETAIL MAP

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*The topsoil and overburden removal area (indicated by yellow) is a reflection of how the site appeared on the last day of the 9/15/96 to 9/15/97 permit period. All 5.17 acres of removal occurred during the previous permit period (9/15/95 to 9/15/96). No new topsoil and overburden removal was conducted during the 9/15/96 to 9/15/97 period; therefore, Attachment A shows "zero" acres for such activity.

*The entire area of the pit at close of the permit period is shown by black diagonal lines. The area within that, shown by additional red cross hatching, was mined during the previous permit. Attachment A reflects only acreage of open pit mined out during the last permit period.

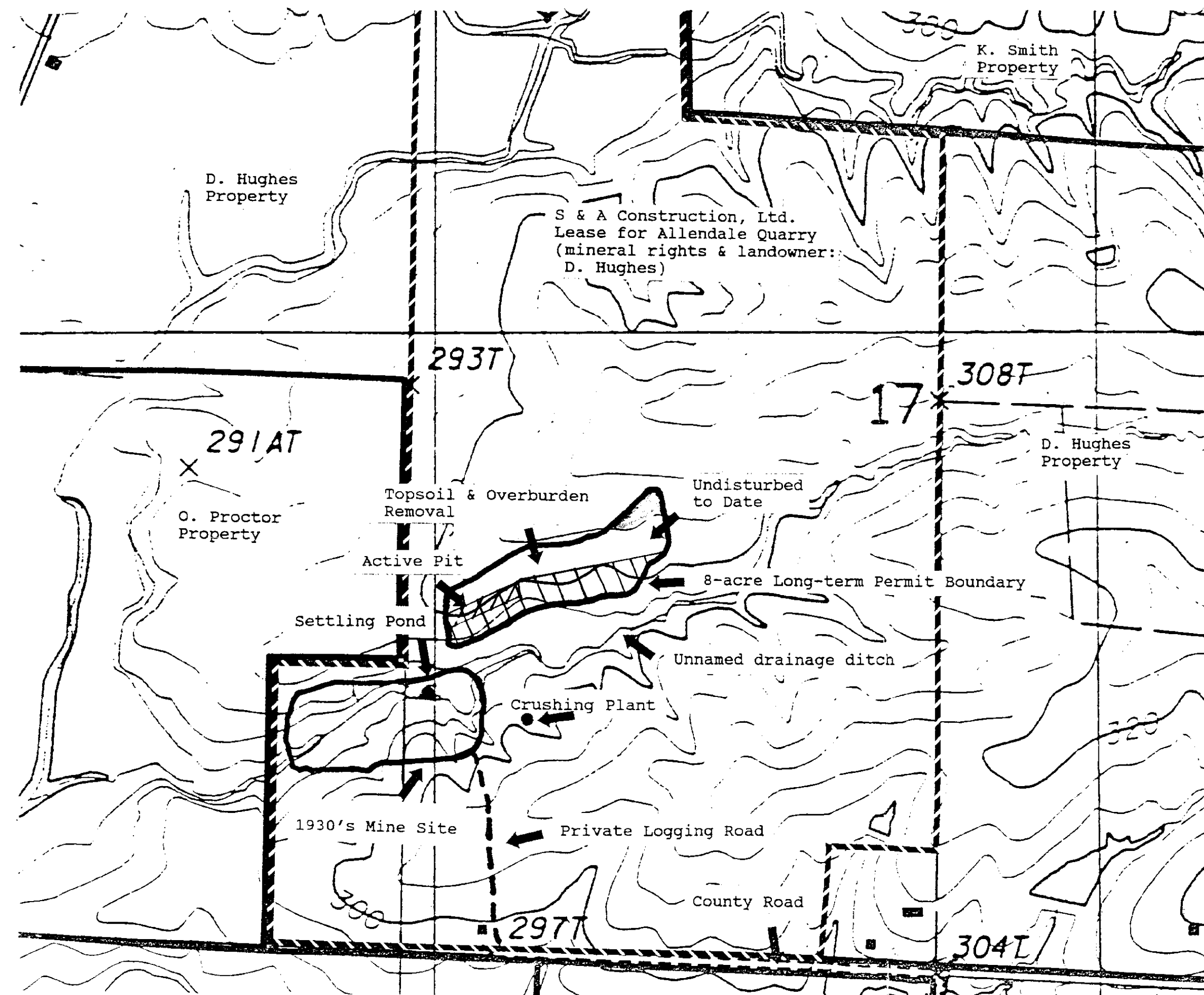
*The green area indicates an area undisturbed by mining activities that was graded and seeded to reduce runoff and erosion created by the natural topography.

Scale: 1 inch = 500 feet



RECEIVED
SEP 22 1997

MISSOURI LAND
RECLAMATION COMMISSION

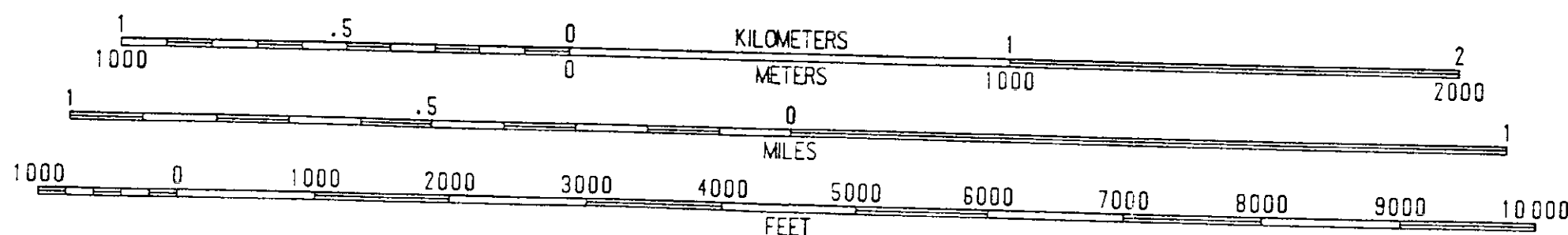
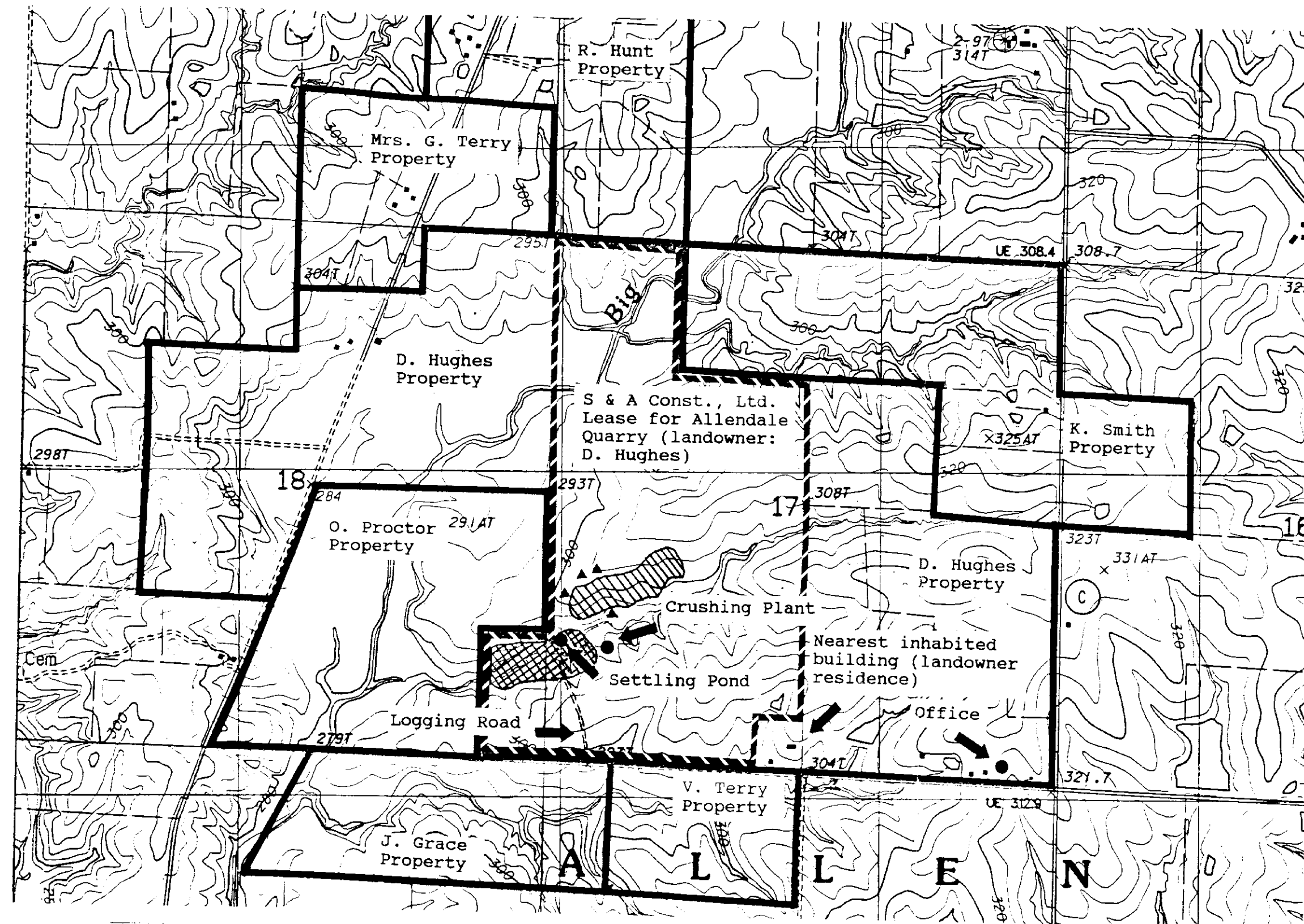


S & A Construction, Ltd. - Allendale Quarry
Worth County

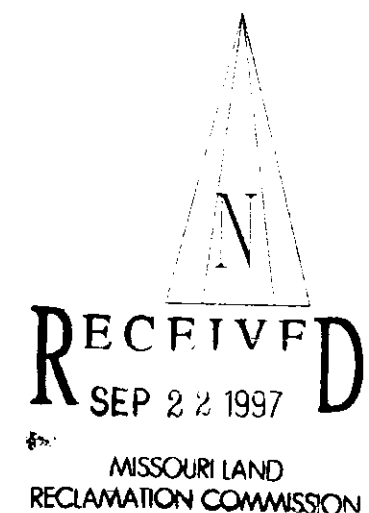
Quarry Location
T65N, NW1/4, SW1/4 Section 17, R30W

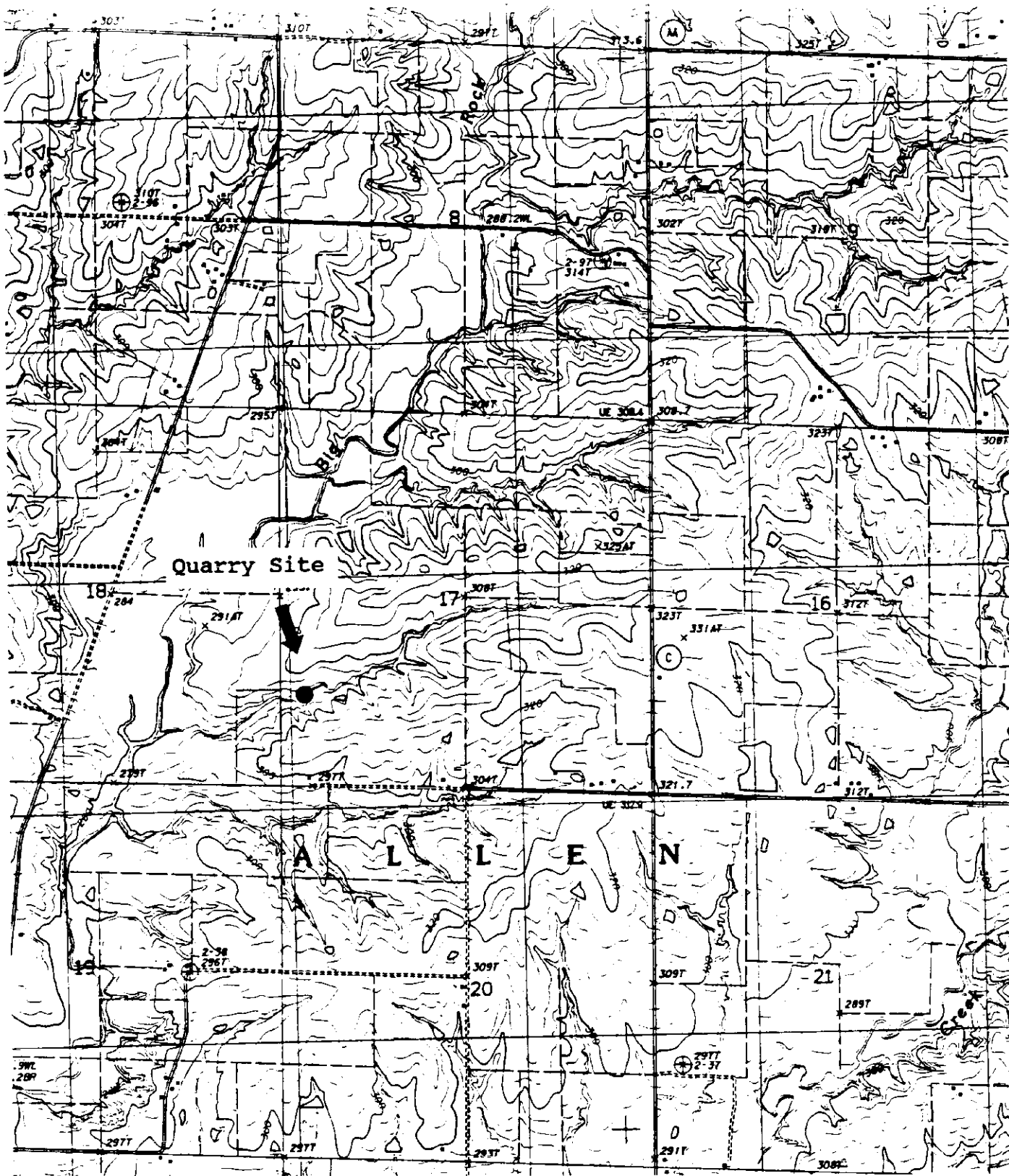
LEGEND

- ▲ Stockpiles
- ▤ Lease Boundary
- Property Line
- ⊗ Excavation Pit (8-acre mine plan area; to be reclaimed as pasture)
- ⊗ 1930's Mine Site (grandfathered under Land Reclamation Program; voluntary reclamation in progress with clearing, filling, grading, & replacement of topsoil complete)



CONTOUR INTERVAL 4 METERS





LOCATOR MAP

S & A Construction, Ltd. - Allendale Quarry
Worth County

Quarry Location
T65N, NW1/4, SW1/4 Section 17, R30W

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SEP 11 1995

MISSOURI LAND
RECLAMATION COMMISSION

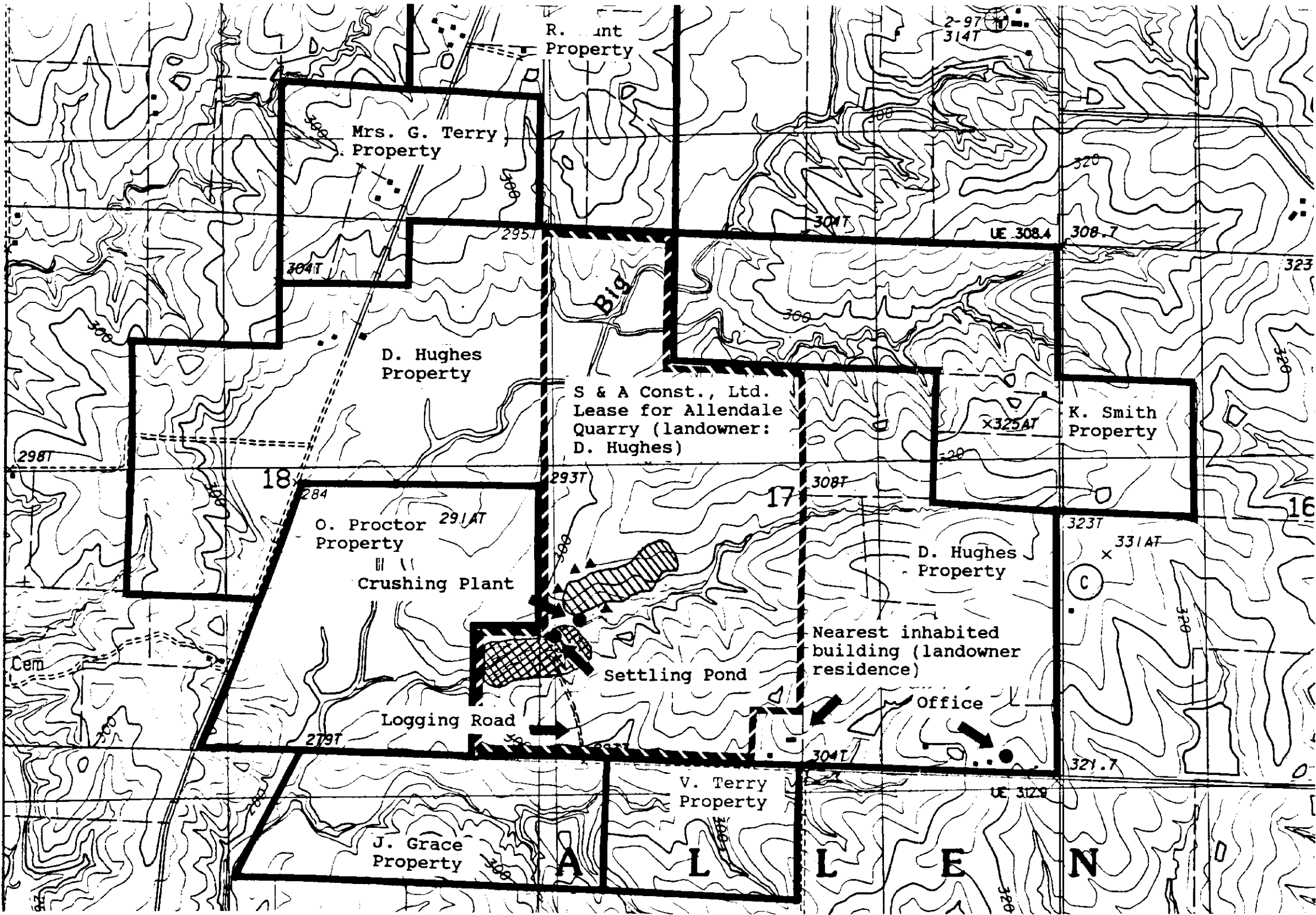
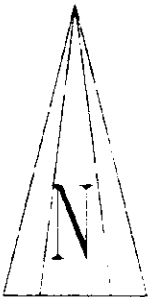
1 inch = 2000 feet

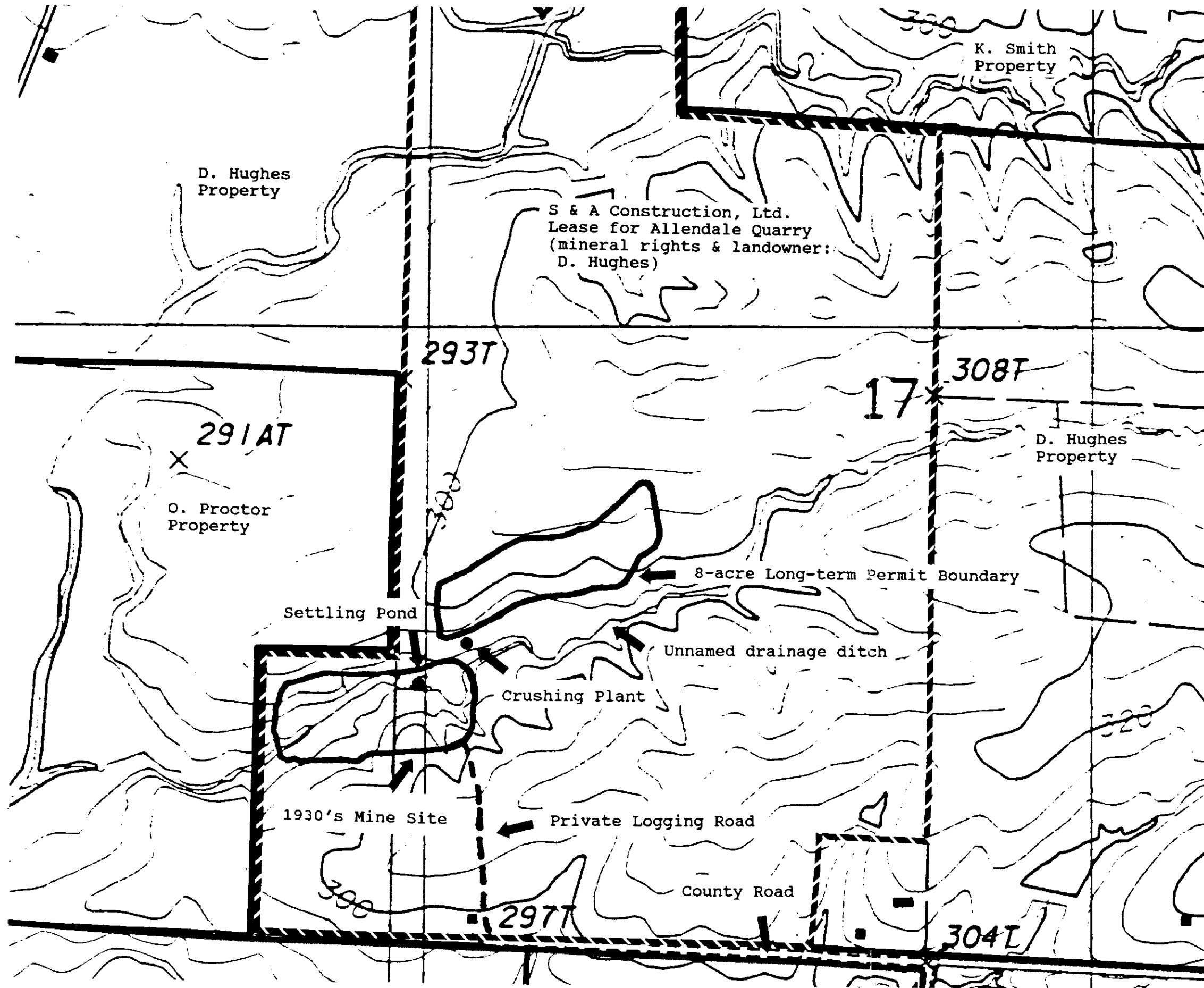
S & A Construction Ltd. - Allendale Quarry
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Quarry Location
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Scale: 1 inch = 500 feet

